

Recombinant Ovine IFN gamma

Cat. No. IFNg-51O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ovine IFN gamma was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Ovine
Source	Yeast
Description	Interferon-gamma (IFN-gamma) is a dimerized soluble cytokine that is the only member of the type II class of interferons. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN-gamma belongs. IFN-gamma, or type II interferon, is a cytokine that is critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Aberrant IFN-gamma expression is associated with a number of autoinflammatory and autoimmune diseases. The importance of IFN-gamma in the immune system stems in part from its ability to inhibit viral replication directly, but, most important, derives from its immunostimulatory and immunomodulatory effects. IFN-gamma is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops.
Form	Lyophilized
Molecular Mass	16.9 kDa

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AA Sequence	QGPFFKEIEN LKEYFNASNP DVAKGGPLFS EILKNWKEES DKKIISQIV SFYFKLFENL KDNQVIQRSM DIIKQDMFQK FLNGSSEKLE DFKRLIQIPV DDLQIQRKAI NELIKVMNDL SPKSNLRKRK RSQNLFRGRR ASM (143)
Applications	Ovine IFN gamma protein can be used in cell culture, as an IFN gamma ELISA Standard, and as a Western Blot Control.
Storage	-20 C

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